

INDUCTIVE DEVICE AND METHODS FOR ASSEMBLING SAME

ABSTRACT OF THE DISCLOSURE

5 An inductive device (200) that includes a core (210) configured so as to be a closed loop and at least one coil (220) around the core, and methods for assembly. The coil is formed from a material having a cross-section with an aspect ratio of a first dimension to a second adjacent dimension, with the first dimension being longer than the second dimension, wherein the coil is

10 positioned around the core such that the first dimension is essentially normal to the core. In one embodiment the core includes a removable core section to enable assembly of the inductive device by slidably placing the coil onto the core through an opening formed in the core by removing the core section. In another embodiment, the coil is rotated to cause it to wind around the core.

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